

CE103 Algorithms and Programming I HW3
v1.0.0

Generated by Doxygen 1.9.5

1 Overview	1
2 CE103-HW3-2022 Helper	3
3 Namespace Index	5
3.1 Namespace List	5
4 Data Structure Index	7
4.1 Data Structures	7
5 File Index	9
5.1 File List	9
6 Namespace Documentation	11
6.1 Bookfeatures Namespace Reference	11
6.2 FileOperation Namespace Reference	11
6.3 library_manager_app Namespace Reference	11
6.4 library_manager_dll_test Namespace Reference	11
6.5 LibraryManagement Namespace Reference	11
6.6 Main Namespace Reference	11
7 Data Structure Documentation	13
7.1 Bookfeatures.BookFeature Class Reference	13
7.1.1 Member Function Documentation	14
7.1.1.1 BookToByteArrayBlock()	14
7.1.1.2 ByteArrayBlockToBook()	15
7.1.2 Field Documentation	16
7.1.2.1 _authors	16
7.1.2.2 _categories	16
7.1.2.3 _city	16
7.1.2.4 _description	16
7.1.2.5 _doi	16
7.1.2.6 _edition	16
7.1.2.7 _editors	16
7.1.2.8 _id	16
7.1.2.9 _isbn	17
7.1.2.10 _pages	17
7.1.2.11 _price	17
7.1.2.12 _publisher	17
7.1.2.13 _rack	17
7.1.2.14 _row	17
7.1.2.15 _title	17
7.1.2.16 _url	17
7.1.2.17 _year	17

7.1.2.18 AUTHORS_NAME_MAX_LENGTH	17
7.1.2.19 BOOK_DATA_BLOCK_SIZE	17
7.1.2.20 CATEGORY_NAME_MAX_LENGTH	18
7.1.2.21 CITY_MAX_LENGTH	18
7.1.2.22 DESCRIPTION_MAX_LENGTH	18
7.1.2.23 DOI_MAX_LENGTH	18
7.1.2.24 EDITION_MAX_LENGTH	18
7.1.2.25 EDITORS_MAX_LENGTH	18
7.1.2.26 ID_LENGTH	18
7.1.2.27 ISBN_MAX_LENGTH	18
7.1.2.28 PAGES_MAX_LENGTH	18
7.1.2.29 PRICE_MAX_LENGTH	19
7.1.2.30 PUBLISHERS_MAX_LENGTH	19
7.1.2.31 RACK_MAX_LENGTH	19
7.1.2.32 ROW_MAX_LENGTH	19
7.1.2.33 TITLE_MAX_LENGTH	19
7.1.2.34 URL_MAX_LENGTH	19
7.1.2.35 YEAR_MAX_LENGTH	19
7.1.3 Property Documentation	19
7.1.3.1 Authors	19
7.1.3.2 Categories	19
7.1.3.3 City	20
7.1.3.4 Description	20
7.1.3.5 DOI	20
7.1.3.6 Edition	20
7.1.3.7 Editors	20
7.1.3.8 Id	20
7.1.3.9 ISBN	20
7.1.3.10 Pages	20
7.1.3.11 Price	20
7.1.3.12 Publishers	21
7.1.3.13 Rack	21
7.1.3.14 Row	21
7.1.3.15 Title	21
7.1.3.16 URL	21
7.1.3.17 Years	21
7.2 library_manager_dll_test.BookTests Class Reference	21
7.2.1 Member Function Documentation	21
7.2.1.1 TestMethod1()	21
7.3 LibraryManagement.ConversionUtility Class Reference	22
7.3.1 Member Function Documentation	22
7.3.1.1 ByteArrayToInteger()	22

7.3.1.2 ByteArrayToString()	22
7.3.1.3 GetInt()	22
7.3.1.4 IntegerToByteArray()	23
7.3.1.5 IsHex()	23
7.3.1.6 StringToByteArray()	23
7.3.1.7 ToAscii()	23
7.3.1.8 ToByte()	23
7.3.1.9 ToHex()	23
7.4 FileOperation.FileUtility Class Reference	24
7.4.1 Member Function Documentation	24
7.4.1.1 AppendBlock()	24
7.4.1.2 AppendBlock2()	24
7.4.1.3 DeleteBlock()	24
7.4.1.4 ReadBlock()	25
7.4.1.5 UpdateBlock()	25
7.5 Main.MainScreen Class Reference	25
7.5.1 Member Function Documentation	26
7.5.1.1 AddBook()	26
7.5.1.2 AddBook2()	26
7.5.1.3 ControlFile()	27
7.5.1.4 PullBook()	27
7.6 library_manager_app.Program1 Class Reference	28
7.6.1 Member Function Documentation	28
7.6.1.1 Main()	28
7.6.2 Field Documentation	29
7.6.2.1 Author	29
7.6.2.2 c	29
7.6.2.3 Category	29
7.6.2.4 City	29
7.6.2.5 Describe	29
7.6.2.6 DOI	29
7.6.2.7 Edition	30
7.6.2.8 Edition_Control	30
7.6.2.9 Editor	30
7.6.2.10 ID	30
7.6.2.11 ID_Control	30
7.6.2.12 ISBN	30
7.6.2.13 Page	30
7.6.2.14 Page_Control	30
7.6.2.15 Price	30
7.6.2.16 Publisher	30
7.6.2.17 Rack	31

7.6.2.18 Row	31
7.6.2.19 SearchID	31
7.6.2.20 Title	31
7.6.2.21 Url	31
7.6.2.22 Year	31
7.6.2.23 Year_Control	31
8 File Documentation	33
8.1 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/docs/SampleMarkdownFile.md File Reference . . .	33
8.2 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs File Reference	33
8.3 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs File Reference	33
8.4 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs File Reference	33
8.5 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs File Reference	33
8.6 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs File Reference	33
8.7 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs File Reference	33
8.8 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/Program.cs File Reference . .	33
8.9 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/Properties/AssemblyInfo.cs File Reference	34
8.10 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/Properties/AssemblyInfo.cs File Reference	34
8.11 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/Properties/AssemblyInfo.cs File Reference	34
8.12 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/BookTests.cs File Reference	34
8.13 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/BookFeatures.cs File Reference	34
8.14 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/ConversionUtility.cs File Reference	34
8.15 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/FileUtility.cs File Reference . .	34
8.16 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/MainScreen.cs File Reference .	35
8.17 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/README.md File Reference	35
Index	37

Chapter 1

Overview



Lorem Ipsum

Version

1.0

Author

{Ugur Coruh}

"Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit..." "Acıyı seven, arayan ve ona sahip olmak isteyen hiç kimse yoktur. Nedeni basit. Çünkü o acıdır..." Lorem ipsum dolor sit amet, consectetur adipiscing elit. In accumsan eget ex elementum ullamcorper. Ut porta, mi et dapibus pellentesque, massa mi sollicitudin lectus, ac malesuada augue ligula a lectus. Quisque suscipit dui non ante tempor, ac consequat ipsum viverra. Sed vel risus fringilla, porttitor massa ut, rutrum nunc. Donec commodo, odio in semper facilisis, erat massa ornare erat, in scelerisque lacus elit sed mauris. Vestibulum ultrices ipsum id nisl condimentum, mattis commodo dui condimentum. Integer efficitur mi et rutrum dignissim. Donec lobortis convallis nisi eu ultricies. Ut porta eu enim a varius. Maecenas ac nisl tincidunt, finibus lacus eu, congue purus.

Vestibulum non sem vitae ante pellentesque iaculis convallis vitae lectus. Sed eget ligula quam. Mauris in tellus nec magna porttitor dignissim id commodo neque. Sed consectetur quam a nisl aliquam rhoncus. Curabitur a quam at tortor sollicitudin finibus. Vivamus a odio cursus, viverra metus et, pretium purus. Aliquam a posuere neque, ut suscipit arcu. Mauris a nisl quis velit pulvinar consequat in vitae arcu. Curabitur venenatis metus vitae risus iaculis consequat. Quisque lacus diam, rhoncus ut diam tempus, rhoncus interdum leo.

Phasellus erat mauris, pellentesque pretium nibh a, blandit condimentum neque. Vivamus lorem urna, ultrices vel rutrum a, ullamcorper id mi. Nunc semper pulvinar nunc in malesuada. Quisque faucibus, odio id porttitor fringilla, ipsum orci volutpat elit, id fringilla magna nisi sit amet erat. Nam pretium pretium orci a sollicitudin. Suspendisse iaculis, dolor at pulvinar dictum, felis est volutpat orci, nec tempor mi mi non augue. Duis augue lacus, hendrerit iaculis ornare id, feugiat et augue. Sed interdum ipsum diam. Donec rutrum finibus tortor id finibus. Praesent suscipit

lacinia eros eget tristique. Aliquam lacinia at risus accumsan dapibus. Etiam orci urna, viverra quis ullamcorper a, dapibus in nunc. Vestibulum sit amet interdum leo. Nullam consectetur finibus sagittis. Nulla mollis diam a nunc gravida rutrum. Maecenas commodo eleifend dolor, eget scelerisque ipsum semper nec.

Ut in sapien ac lorem semper egestas at eu ante. Suspendisse eros risus, vehicula nec mi eget, ornare fermentum diam. Nullam laoreet imperdiet turpis, sed pulvinar velit commodo quis. Sed ullamcorper dolor id purus imperdiet, et accumsan metus gravida. Fusce eu purus vehicula, rhoncus velit et, rutrum dui. Curabitur ut varius nibh. Integer hendrerit lorem vel commodo commodo. Proin massa metus, tincidunt eleifend felis eget, volutpat sodales orci.

Nullam nunc libero, molestie in dolor id, congue malesuada elit. Maecenas luctus rutrum felis non pretium. Integer at pretium nisi, eu tempus sapien. Donec venenatis velit vitae rhoncus dictum. Mauris sed condimentum felis, et pretium sapien. Praesent est justo, placerat at lectus posuere, vulputate vulputate nunc. Proin mattis tellus a est gravida varius.

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Nulla ac magna ut ex pharetra vulputate eget a enim.
- Praesent sed felis feugiat, aliquam risus gravida, pretium libero.
- Donec at leo in dolor vestibulum pharetra sed a sapien.
- Etiam at sem vel dolor congue lacinia vitae at diam.
- Duis gravida risus at dui feugiat dapibus.
- Phasellus tincidunt dui in urna ultrices, eget mollis nisi venenatis.
- Praesent eu nunc ullamcorper, commodo lorem id, suscipit felis.
- Aenean vel nisl et urna rutrum semper.
- Vestibulum sed turpis hendrerit, varius quam in, mollis odio.
- Quisque sodales sem at vestibulum mattis.
- Nunc vitae ex facilisis, cursus quam at, luctus dui.
- Sed ut sapien a libero dictum tempus.
- Aliquam pulvinar sem aliquet velit mattis hendrerit.
- Proin dignissim est cursus ipsum elementum vehicula.
- Etiam rhoncus arcu eu laoreet aliquet.
- Donec imperdiet mi vitae diam vestibulum, sed auctor nisi lobortis.
- Morbi vulputate libero eget fringilla scelerisque.
- Nunc varius risus non lectus vestibulum, non malesuada purus semper.

Chapter 2

CE103-HW3-2022 Helper

Chapter 3

Namespace Index

3.1 Namespace List

Here is a list of all namespaces with brief descriptions:

Bookfeatures	11
FileOperation	11
library_manager_app	11
library_manager_dll_test	11
LibraryManagement	11
Main	11

Chapter 4

Data Structure Index

4.1 Data Structures

Here are the data structures with brief descriptions:

Bookfeatures.BookFeature	13
library_manager_dll_test.BookTests	21
LibraryManagement.ConversionUtility	22
FileOperation.FileUtility	24
Main.MainScreen	25
library_manager_app.Program1	28

Chapter 5

File Index

5.1 File List

Here is a list of all files with brief descriptions:

C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/ Program.cs	33
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttribu	33
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttribu	33
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/Properties/ AssemblyInfo.cs	34
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/ BookTests.cs	34
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttribu	33
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttribu	33
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/Properties/ AssemblyInfo.cs	34
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/ BookFeatures.cs	34
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/ ConversionUtility.cs	34
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/ FileUtility.cs	34
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/ MainScreen.cs	35
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttribu	33
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttribu	33
C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/Properties/ AssemblyInfo.cs	34

Chapter 6

Namespace Documentation

6.1 Bookfeatures Namespace Reference

Data Structures

- class [BookFeature](#)

6.2 FileOperation Namespace Reference

Data Structures

- class [FileUtility](#)

6.3 library_manager_app Namespace Reference

Data Structures

- class [Program1](#)

6.4 library_manager_dll_test Namespace Reference

Data Structures

- class [BookTests](#)

6.5 LibraryManagement Namespace Reference

Data Structures

- class [ConversionUtility](#)

6.6 Main Namespace Reference

Data Structures

- class [MainScreen](#)

Chapter 7

Data Structure Documentation

7.1 Bookfeatures.BookFeature Class Reference

Static Public Member Functions

- static byte[] [BookToByteArrayBlock](#) ([BookFeature](#) book)
- static [BookFeature](#) [ByteArrayBlockToBook](#) (byte[] byteArray)

Static Public Attributes

- const int [ID_LENGTH](#) = 4
- const int [TITLE_MAX_LENGTH](#) = 100
- const int [DESCRIPTION_MAX_LENGTH](#) = 100
- const int [AUTHORS_NAME_MAX_LENGTH](#) = 100
- const int [CATEGORY_NAME_MAX_LENGTH](#) = 100
- const int [YEAR_MAX_LENGTH](#) = 100
- const int [PAGES_MAX_LENGTH](#) = 100
- const int [CITY_MAX_LENGTH](#) = 100
- const int [EDITION_MAX_LENGTH](#) = 100
- const int [EDITORS_MAX_LENGTH](#) = 100
- const int [PUBLISHERS_MAX_LENGTH](#) = 100
- const int [URL_MAX_LENGTH](#) = 100
- const int [DOI_MAX_LENGTH](#) = 100
- const int [ISBN_MAX_LENGTH](#) = 100
- const int [PRICE_MAX_LENGTH](#) = 100
- const int [RACK_MAX_LENGTH](#) = 100
- const int [ROW_MAX_LENGTH](#) = 100
- const int [BOOK_DATA_BLOCK_SIZE](#)

Properties

- int [Id](#) [get, set]
- string [Title](#) [get, set]
- string [Description](#) [get, set]
- string [Authors](#) [get, set]
- string [Categories](#) [get, set]
- int [Years](#) [get, set]
- int [Pages](#) [get, set]
- string [City](#) [get, set]
- int [Edition](#) [get, set]
- string [Editors](#) [get, set]
- string [Publishers](#) [get, set]

- string [URL](#) [get, set]
- int [DOI](#) [get, set]
- int [ISBN](#) [get, set]
- int [Price](#) [get, set]
- string [Rack](#) [get, set]
- string [Row](#) [get, set]

Private Attributes

- int [_id](#)
- string [_title](#)
- string [_description](#)
- string [_authors](#)
- string [_categories](#)
- int [_year](#)
- int [_pages](#)
- string [_city](#)
- int [_edition](#)
- string [_editors](#)
- string [_publisher](#)
- string [_url](#)
- int [_doi](#)
- int [_isbn](#)
- int [_price](#)
- string [_rack](#)
- string [_row](#)

7.1.1 Member Function Documentation

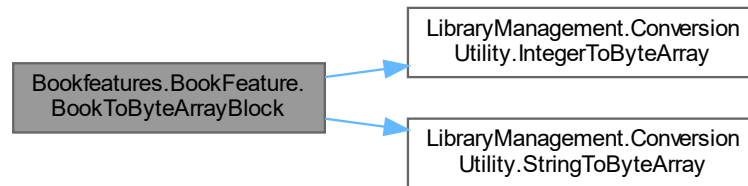
7.1.1.1 BookToByteArrayBlock()

```
static byte[] Bookfeatures.BookFeature.BookToByteArrayBlock (
    BookFeature book ) [inline], [static]
```

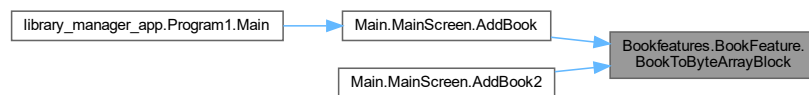
References [Bookfeatures.BookFeature._doi](#), [Bookfeatures.BookFeature._isbn](#), [Bookfeatures.BookFeature._price](#), [Bookfeatures.BookFeature._rack](#), [Bookfeatures.BookFeature._row](#), [Bookfeatures.BookFeature.Authors](#), [Bookfeatures.BookFeature.A](#), [Bookfeatures.BookFeature.BOOK_DATA_BLOCK_SIZE](#), [Bookfeatures.BookFeature.Categories](#), [Bookfeatures.BookFeature.CATEGOR](#), [Bookfeatures.BookFeature.City](#), [Bookfeatures.BookFeature.CITY_MAX_LENGTH](#), [Bookfeatures.BookFeature.Description](#), [Bookfeatures.BookFeature.DESCRPTION_MAX_LENGTH](#), [Bookfeatures.BookFeature.DOI_MAX_LENGTH](#), [Bookfeatures.BookFeature.Edition](#), [Bookfeatures.BookFeature.EDITION_MAX_LENGTH](#), [Bookfeatures.BookFeature.Editors](#), [Bookfeatures.BookFeature.EDITORS_MAX_LENGTH](#), [Bookfeatures.BookFeature.Id](#), [Bookfeatures.BookFeature.ID_LENGTH](#), [LibraryManagement.ConversionUtility.IntegerToByteArray\(\)](#), [Bookfeatures.BookFeature.ISBN_MAX_LENGTH](#), [Bookfeatures.BookFeature.Pages](#), [Bookfeatures.BookFeature.PAGES_MAX_LENGTH](#), [Bookfeatures.BookFeature.PRICE_MAX_LENGTH](#), [Bookfeatures.BookFeature.Publishers](#), [Bookfeatures.BookFeature.PUBLISHERS_MAX_LENGTH](#), [Bookfeatures.BookFeature.RACK](#), [Bookfeatures.BookFeature.ROW_MAX_LENGTH](#), [LibraryManagement.ConversionUtility.StringToByteArray\(\)](#), [Bookfeatures.BookFeature.Title](#), [Bookfeatures.BookFeature.TITLE_MAX_LENGTH](#), [Bookfeatures.BookFeature.URL](#), [Bookfeatures.BookFeature.URL_MAX_LENGTH](#), [Bookfeatures.BookFeature.YEAR_MAX_LENGTH](#), and [Bookfeatures.BookFeature.](#)

Referenced by [Main.MainScreen.AddBook\(\)](#), and [Main.MainScreen.AddBook2\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



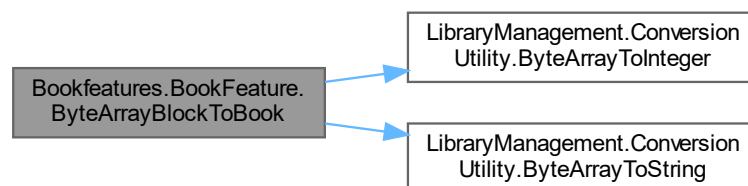
7.1.1.2 ByteArrayBlockToBook()

```
static BookFeature Bookfeatures.BookFeature.ByteArrayBlockToBook (
    byte[] byteArray) [inline], [static]
```

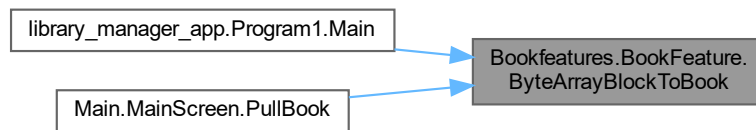
References [Bookfeatures.BookFeature.AUTHORS_NAME_MAX_LENGTH](#), [Bookfeatures.BookFeature.BOOK_DATA_BLOCK_SIZE](#), [LibraryManagement.ConversionUtility.ByteArrayToInteger\(\)](#), [LibraryManagement.ConversionUtility.ByteArrayToString\(\)](#), [Bookfeatures.BookFeature.CATEGORY_NAME_MAX_LENGTH](#), [Bookfeatures.BookFeature.CITY_MAX_LENGTH](#), [Bookfeatures.BookFeature.DESCRPTION_MAX_LENGTH](#), [Bookfeatures.BookFeature.DOI_MAX_LENGTH](#), [Bookfeatures.BookFeature.EDITION_MAX_LENGTH](#), [Bookfeatures.BookFeature.Editors](#), [Bookfeatures.BookFeature.EDITORS_MAX_LENGTH](#), [Bookfeatures.BookFeature.Id](#), [Bookfeatures.BookFeature.ID_LENGTH](#), [Bookfeatures.BookFeature.ISBN_MAX_LENGTH](#), [Bookfeatures.BookFeature.PAGES_MAX_LENGTH](#), [Bookfeatures.BookFeature.PRICE_MAX_LENGTH](#), [Bookfeatures.BookFeature.Publisher](#), [Bookfeatures.BookFeature.RACK_MAX_LENGTH](#), [Bookfeatures.BookFeature.Row](#), [Bookfeatures.BookFeature.ROW_MAX_LENGTH](#), [Bookfeatures.BookFeature.TITLE_MAX_LENGTH](#), [Bookfeatures.BookFeature.URL](#), [Bookfeatures.BookFeature.URL_MAX_LENGTH](#), and [Bookfeatures.BookFeature.YEAR_MAX_LENGTH](#).

Referenced by [library_manager_app.Program1.Main\(\)](#), and [Main.MainScreen.PullBook\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



7.1.2 Field Documentation

7.1.2.1 `_authors`

```
string Bookfeatures.BookFeature._authors [private]
```

7.1.2.2 `_categories`

```
string Bookfeatures.BookFeature._categories [private]
```

7.1.2.3 `_city`

```
string Bookfeatures.BookFeature._city [private]
```

7.1.2.4 `_description`

```
string Bookfeatures.BookFeature._description [private]
```

7.1.2.5 `_doi`

```
int Bookfeatures.BookFeature._doi [private]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#).

7.1.2.6 `_edition`

```
int Bookfeatures.BookFeature._edition [private]
```

7.1.2.7 `_editors`

```
string Bookfeatures.BookFeature._editors [private]
```

7.1.2.8 `_id`

```
int Bookfeatures.BookFeature._id [private]
```

7.1.2.9 `_isbn`

```
int Bookfeatures.BookFeature._isbn [private]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#).

7.1.2.10 `_pages`

```
int Bookfeatures.BookFeature._pages [private]
```

7.1.2.11 `_price`

```
int Bookfeatures.BookFeature._price [private]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#).

7.1.2.12 `_publisher`

```
string Bookfeatures.BookFeature._publisher [private]
```

7.1.2.13 `_rack`

```
string Bookfeatures.BookFeature._rack [private]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#).

7.1.2.14 `_row`

```
string Bookfeatures.BookFeature._row [private]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#).

7.1.2.15 `_title`

```
string Bookfeatures.BookFeature._title [private]
```

7.1.2.16 `_url`

```
string Bookfeatures.BookFeature._url [private]
```

7.1.2.17 `_year`

```
int Bookfeatures.BookFeature._year [private]
```

7.1.2.18 `AUTHORS_NAME_MAX_LENGTH`

```
const int Bookfeatures.BookFeature.AUTHORS_NAME_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.19 `BOOK_DATA_BLOCK_SIZE`

```
const int Bookfeatures.BookFeature.BOOK_DATA_BLOCK_SIZE [static]
```

Initial value:

```
= ID_LENGTH + DESCRIPTION_MAX_LENGTH + AUTHORS_NAME_MAX_LENGTH + TITLE_MAX_LENGTH + CATEGORY_NAME_MAX_LENGTH  
+ YEAR_MAX_LENGTH + PAGES_MAX_LENGTH + CITY_MAX_LENGTH
```

+ EDITION_MAX_LENGTH + EDITORS_MAX_LENGTH + PUBLISHERS_MAX_LENGTH + URL_MAX_LENGTH +
DOI_MAX_LENGTH + ISBN_MAX_LENGTH + PRICE_MAX_LENGTH + RACK_MAX_LENGTH + ROW_MAX_LENGTH

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#), [library_manager_app.Program1.Main\(\)](#), and [Main.MainScreen.PullBook\(\)](#).

7.1.2.20 CATEGORY_NAME_MAX_LENGTH

```
const int Bookfeatures.BookFeature.CATEGORY_NAME_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.21 CITY_MAX_LENGTH

```
const int Bookfeatures.BookFeature.CITY_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.22 DESCRIPTION_MAX_LENGTH

```
const int Bookfeatures.BookFeature.DESRIPTION_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.23 DOI_MAX_LENGTH

```
const int Bookfeatures.BookFeature.DOI_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.24 EDITION_MAX_LENGTH

```
const int Bookfeatures.BookFeature.EDITION_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.25 EDITORS_MAX_LENGTH

```
const int Bookfeatures.BookFeature.EDITORS_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.26 ID_LENGTH

```
const int Bookfeatures.BookFeature.ID_LENGTH = 4 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.27 ISBN_MAX_LENGTH

```
const int Bookfeatures.BookFeature.ISBN_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.28 PAGES_MAX_LENGTH

```
const int Bookfeatures.BookFeature.PAGES_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.29 PRICE_MAX_LENGTH

```
const int Bookfeatures.BookFeature.PRICE_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.30 PUBLISHERS_MAX_LENGTH

```
const int Bookfeatures.BookFeature.PUBLISHERS_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.31 RACK_MAX_LENGTH

```
const int Bookfeatures.BookFeature.RACK_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.32 ROW_MAX_LENGTH

```
const int Bookfeatures.BookFeature.ROW_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.33 TITLE_MAX_LENGTH

```
const int Bookfeatures.BookFeature.TITLE_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.34 URL_MAX_LENGTH

```
const int Bookfeatures.BookFeature.URL_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.2.35 YEAR_MAX_LENGTH

```
const int Bookfeatures.BookFeature.YEAR_MAX_LENGTH = 100 [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

7.1.3 Property Documentation

7.1.3.1 Authors

```
string Bookfeatures.BookFeature.Authors [get], [set]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.2 Categories

```
string Bookfeatures.BookFeature.Categories [get], [set]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.3 City

```
string Bookfeatures.BookFeature.City [get], [set]
```

Referenced by [Main.MainScreen.AddBook\(\)](#), [Main.MainScreen.AddBook2\(\)](#), [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.4 Description

```
string Bookfeatures.BookFeature.Description [get], [set]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.5 DOI

```
int Bookfeatures.BookFeature.DOI [get], [set]
```

Referenced by [Main.MainScreen.AddBook\(\)](#), [Main.MainScreen.AddBook2\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.6 Edition

```
int Bookfeatures.BookFeature.Edition [get], [set]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.7 Editors

```
string Bookfeatures.BookFeature.Editors [get], [set]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.8 Id

```
int Bookfeatures.BookFeature.Id [get], [set]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.9 ISBN

```
int Bookfeatures.BookFeature.ISBN [get], [set]
```

Referenced by [Main.MainScreen.AddBook\(\)](#), [Main.MainScreen.AddBook2\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.10 Pages

```
int Bookfeatures.BookFeature.Pages [get], [set]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.11 Price

```
int Bookfeatures.BookFeature.Price [get], [set]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.1.3.12 Publishers

`string Bookfeatures.BookFeature.Publishers [get], [set]`

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.13 Rack

`string Bookfeatures.BookFeature.Rack [get], [set]`

Referenced by [Main.MainScreen.AddBook\(\)](#), [Main.MainScreen.AddBook2\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.14 Row

`string Bookfeatures.BookFeature.Row [get], [set]`

Referenced by [Main.MainScreen.AddBook\(\)](#), [Main.MainScreen.AddBook2\(\)](#), [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.15 Title

`string Bookfeatures.BookFeature.Title [get], [set]`

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.16 URL

`string Bookfeatures.BookFeature.URL [get], [set]`

Referenced by [Main.MainScreen.AddBook\(\)](#), [Main.MainScreen.AddBook2\(\)](#), [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

7.1.3.17 Years

`int Bookfeatures.BookFeature.Years [get], [set]`

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), and [library_manager_app.Program1.Main\(\)](#).

The documentation for this class was generated from the following file:

- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/[BookFeatures.cs](#)

7.2 library_manager_dll_test.BookTests Class Reference

Public Member Functions

- void [TestMethod1](#) ()

7.2.1 Member Function Documentation

7.2.1.1 TestMethod1()

`void library_manager_dll_test.BookTests.TestMethod1 () [inline]`

The documentation for this class was generated from the following file:

- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/[BookTests.cs](#)

7.3 LibraryManagement.ConversionUtility Class Reference

Static Public Member Functions

- static byte[] [ToByte](#) (this string hexString)
- static string [ToHex](#) (this byte[] arr)
- static bool [IsHex](#) (this string str)
- static int [GetInt](#) (this byte[] data, int offset, int length)
- static string [ToAscii](#) (this string hexString)
- static int [ByteArrayToInteger](#) (byte[] byteArray)
- static byte[] [IntegerToByteArray](#) (int value)
- static byte[] [StringToByteArray](#) (string data)
- static string [ByteArrayToString](#) (byte[] byteArray)

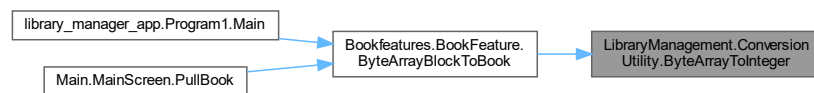
7.3.1 Member Function Documentation

7.3.1.1 ByteArrayToInteger()

```
static int LibraryManagement.ConversionUtility.ByteArrayToInteger (
    byte[] byteArray ) [inline], [static]
```

Referenced by [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



7.3.1.2 ByteArrayToString()

```
static string LibraryManagement.ConversionUtility.ByteArrayToString (
    byte[] byteArray ) [inline], [static]
```

Referenced by [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#).

Here is the caller graph for this function:



7.3.1.3 GetInt()

```
static int LibraryManagement.ConversionUtility.GetInt (
    this byte[] data,
    int offset,
    int length ) [inline], [static]
```

7.3.1.4 IntegerToByteArray()

```
static byte[] LibraryManagement.ConversionUtility.IntegerToByteArray (
    int value ) [inline], [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



7.3.1.5 IsHex()

```
static bool LibraryManagement.ConversionUtility.IsHex (
    this string str ) [inline], [static]
```

7.3.1.6 StringToByteArray()

```
static byte[] LibraryManagement.ConversionUtility.StringToByteArray (
    string data ) [inline], [static]
```

Referenced by [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#).

Here is the caller graph for this function:



7.3.1.7 ToAscii()

```
static string LibraryManagement.ConversionUtility.ToAscii (
    this string hexString ) [inline], [static]
```

7.3.1.8 ToByte()

```
static byte[] LibraryManagement.ConversionUtility.ToByte (
    this string hexString ) [inline], [static]
```

7.3.1.9 ToHex()

```
static string LibraryManagement.ConversionUtility.ToHex (
    this byte[] arr ) [inline], [static]
```

The documentation for this class was generated from the following file:

- C:/Users/gokay/do/ce103-hw3-gokay-dervisosglu/library-manager-dll/[ConversionUtility.cs](#)

7.4 FileOperation.FileUtility Class Reference

Static Public Member Functions

- static byte[] [ReadBlock](#) (int count, int blocksize, string path)
- static bool [AppendBlock](#) (byte[] data, string path)
- static bool [AppendBlock2](#) (byte[] data, string path)
- static bool [UpdateBlock](#) (byte[] data, int count, int blocksize, string path)
- static bool [DeleteBlock](#) (int count, int blocksize, string path)

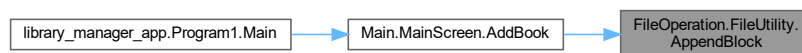
7.4.1 Member Function Documentation

7.4.1.1 AppendBlock()

```
static bool FileOperation.FileUtility.AppendBlock (
    byte[] data,
    string path ) [inline], [static]
```

Referenced by [Main.MainScreen.AddBook\(\)](#).

Here is the caller graph for this function:

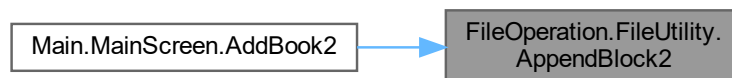


7.4.1.2 AppendBlock2()

```
static bool FileOperation.FileUtility.AppendBlock2 (
    byte[] data,
    string path ) [inline], [static]
```

Referenced by [Main.MainScreen.AddBook2\(\)](#).

Here is the caller graph for this function:

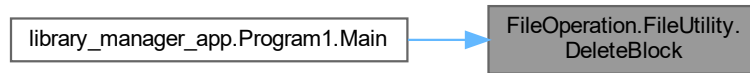


7.4.1.3 DeleteBlock()

```
static bool FileOperation.FileUtility.DeleteBlock (
    int count,
    int blocksize,
    string path ) [inline], [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

Here is the caller graph for this function:

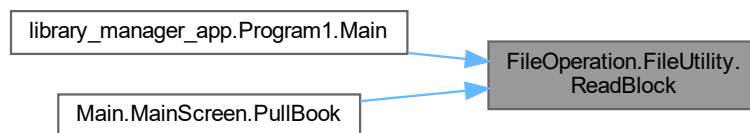


7.4.1.4 ReadBlock()

```
static byte[] FileOperation.FileUtility.ReadBlock (
    int count,
    int blocksize,
    string path ) [inline], [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#), and [Main.MainScreen.PullBook\(\)](#).

Here is the caller graph for this function:



7.4.1.5 UpdateBlock()

```
static bool FileOperation.FileUtility.UpdateBlock (
    byte[] data,
    int count,
    int blocksize,
    string path ) [inline], [static]
```

The documentation for this class was generated from the following file:

- [C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/FileUtility.cs](#)

7.5 Main.MainScreen Class Reference

Public Member Functions

- void [ControlFile](#) (string path, string filename)
- void [AddBook](#) (int Id, string Title, string Description, string Authors, string Categories, int Years, int Pages, string City, int Edition, string Editors, string Publishers, string Url, int Doi, int Isbn, int Price, string Rack, string Row)
- void [AddBook2](#) (int id, string title, string description, string authors, string categories, int years, int pages, string city, int edition, string editors, string publishers, string url, int doi, int isbn, int price, string rack, string row)
- void [PullBook](#) ()

7.5.1 Member Function Documentation

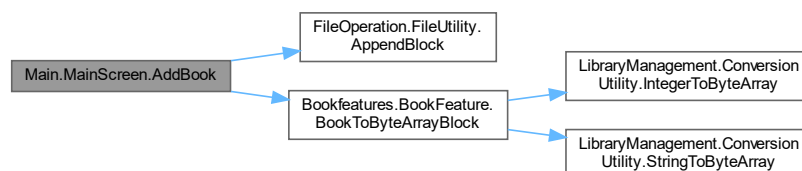
7.5.1.1 AddBook()

```
void Main.MainScreen.AddBook (
    int Id,
    string Title,
    string Description,
    string Authors,
    string Categories,
    int Years,
    int Pages,
    string City,
    int Edition,
    string Editors,
    string Publishers,
    string Url,
    int Doi,
    int Isbn,
    int Price,
    string Rack,
    string Row ) [inline]
```

References [FileOperation.FileUtility.AppendBlock\(\)](#), [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), [Bookfeatures.BookFeature.DOI](#), [Bookfeatures.BookFeature.ISBN](#), [Bookfeatures.BookFeature.Rack](#), [Bookfeatures.BookFeature.Row](#), and [Bookfeatures.BookFeature.URL](#).

Referenced by [library_manager_app.Program1.Main\(\)](#).

Here is the call graph for this function:



Here is the caller graph for this function:



7.5.1.2 AddBook2()

```
void Main.MainScreen.AddBook2 (
    int id,
    string title,
```



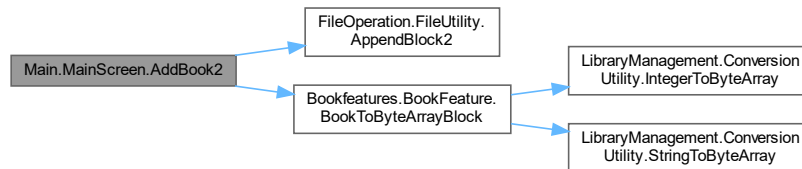
```

    string description,
    string authors,
    string categories,
    int years,
    int pages,
    string city,
    int edition,
    string editors,
    string publishers,
    string url,
    int doi,
    int isbn,
    int price,
    string rack,
    string row ) [inline]

```

References [FileOperation.FileUtility.AppendBlock2\(\)](#), [Bookfeatures.BookFeature.BookToByteArrayBlock\(\)](#), [Bookfeatures.BookFeature.City](#), [Bookfeatures.BookFeature.DOI](#), [Bookfeatures.BookFeature.ISBN](#), [Bookfeatures.BookFeature.Rack](#), [Bookfeatures.BookFeature.Row](#), and [Bookfeatures.BookFeature.URL](#).

Here is the call graph for this function:



7.5.1.3 ControlFile()

```

void Main.MainScreen.ControlFile (
    string path,
    string filename ) [inline]

```

7.5.1.4 PullBook()

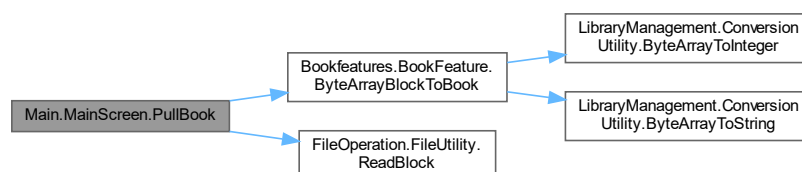
```

void Main.MainScreen.PullBook ( ) [inline]

```

References [Bookfeatures.BookFeature.BOOK_DATA_BLOCK_SIZE](#), [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#), and [FileOperation.FileUtility.ReadBlock\(\)](#).

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/[MainScreen.cs](#)

7.6 library_manager_app.Program1 Class Reference

Static Public Member Functions

- static void [Main](#) ()

Static Public Attributes

- static int [ID](#)
- static string [ID_Control](#)
- static string [Title](#)
- static string [Describe](#)
- static string [Author](#)
- static string [Category](#)
- static int [Year](#)
- static string [Year_Control](#)
- static int [Page](#)
- static string [Page_Control](#)
- static string [City](#)
- static int [Edition](#)
- static string [Edition_Control](#)
- static string [Editor](#)
- static string [Publisher](#)
- static string [Url](#)
- static int [DOI](#)
- static int [ISBN](#)
- static int [Price](#)
- static string [Rack](#)
- static string [Row](#)
- static int [SearchID](#)

Static Private Attributes

- static int [c](#)

7.6.1 Member Function Documentation

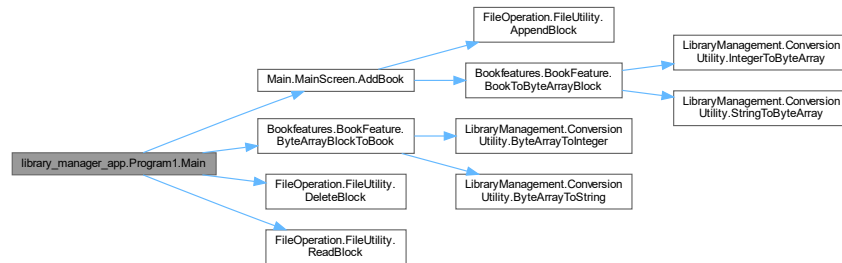
7.6.1.1 Main()

```
static void library_manager_app.Program1.Main ( ) [inline], [static]
```

References [Main.MainScreen.AddBook\(\)](#), [library_manager_app.Program1.Author](#), [Bookfeatures.BookFeature.Authors](#), [Bookfeatures.BookFeature.BOOK_DATA_BLOCK_SIZE](#), [Bookfeatures.BookFeature.ByteArrayBlockToBook\(\)](#), [library_manager_app.Program1.c](#), [Bookfeatures.BookFeature.Categories](#), [library_manager_app.Program1.Category](#), [library_manager_app.Program1.City](#), [Bookfeatures.BookFeature.City](#), [FileOperation.FileUtility.DeleteBlock\(\)](#), [library_manager_app.Program1.Describe](#), [Bookfeatures.BookFeature.Description](#), [library_manager_app.Program1.DOI](#), [Bookfeatures.BookFeature.DOI](#), [library_manager_app.Program1.Edition](#), [Bookfeatures.BookFeature.Edition](#), [library_manager_app.Program1.Edition_Control](#), [library_manager_app.Program1.Editor](#), [Bookfeatures.BookFeature.Editors](#), [library_manager_app.Program1.ID](#), [Bookfeatures.BookFeature.Id](#), [library_manager_app.Program1.ID_Control](#), [library_manager_app.Program1.ISBN](#), [Bookfeatures.BookFeature.ISBN](#), [library_manager_app.Program1.Page](#), [library_manager_app.Program1.Page_Control](#), [Bookfeatures.BookFeature.Pages](#), [library_manager_app.Program1.Price](#), [Bookfeatures.BookFeature.Price](#), [library_manager_app.Program1.Publisher](#), [Bookfeatures.BookFeature.Publishers](#), [library_manager_app.Program1.Rack](#), [Bookfeatures.BookFeature.Rack](#), [FileOperation.FileUtility.ReadBlock\(\)](#),

[library_manager_app.Program1.Row](#), [Bookfeatures.BookFeature.Row](#), [library_manager_app.Program1.SearchID](#), [library_manager_app.Program1.Title](#), [Bookfeatures.BookFeature.Title](#), [library_manager_app.Program1.Url](#), [Bookfeatures.BookFeature.URL](#), [library_manager_app.Program1.Year](#), [library_manager_app.Program1.Year_Control](#), and [Bookfeatures.BookFeature.Years](#).

Here is the call graph for this function:



7.6.2 Field Documentation

7.6.2.1 Author

```
string library_manager_app.Program1.Author [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.2 c

```
int library_manager_app.Program1.c [static], [private]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.3 Category

```
string library_manager_app.Program1.Category [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.4 City

```
string library_manager_app.Program1.City [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.5 Describe

```
string library_manager_app.Program1.Describe [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.6 DOI

```
int library_manager_app.Program1.DOI [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.7 Edition

```
int library_manager_app.Program1.Edition [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.8 Edition_Control

```
string library_manager_app.Program1.Edition_Control [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.9 Editor

```
string library_manager_app.Program1.Editor [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.10 ID

```
int library_manager_app.Program1.ID [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.11 ID_Control

```
string library_manager_app.Program1.ID_Control [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.12 ISBN

```
int library_manager_app.Program1.ISBN [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.13 Page

```
int library_manager_app.Program1.Page [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.14 Page_Control

```
string library_manager_app.Program1.Page_Control [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.15 Price

```
int library_manager_app.Program1.Price [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.16 Publisher

```
string library_manager_app.Program1.Publisher [static]
```

Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.17 Rack

`string library_manager_app.Program1.Rack [static]`
Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.18 Row

`string library_manager_app.Program1.Row [static]`
Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.19 SearchID

`int library_manager_app.Program1.SearchID [static]`
Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.20 Title

`string library_manager_app.Program1.Title [static]`
Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.21 Url

`string library_manager_app.Program1.Url [static]`
Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.22 Year

`int library_manager_app.Program1.Year [static]`
Referenced by [library_manager_app.Program1.Main\(\)](#).

7.6.2.23 Year_Control

`string library_manager_app.Program1.Year_Control [static]`
Referenced by [library_manager_app.Program1.Main\(\)](#).

The documentation for this class was generated from the following file:

- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/[Program.cs](#)

Chapter 8

File Documentation

- 8.1 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/docs/Sample↵
MarkdownFile.md File Reference**
- 8.2 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-
app/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.↵
cs File Reference**
- 8.3 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-
app/obj/Release/.NETFramework,Version=v4.7.2.Assembly↵
Attributes.cs File Reference**
- 8.4 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-
test/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.↵
cs File Reference**
- 8.5 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-
test/obj/Release/.NETFramework,Version=v4.7.2.Assembly↵
Attributes.cs File Reference**
- 8.6 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-
dll/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs
File Reference**
- 8.7 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-
dll/obj/Release/.NETFramework,Version=v4.7.2.Assembly↵
Attributes.cs File Reference**
- 8.8 **C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-
app/Program.cs File Reference**

Data Structures

- class [library_manager_app.Program1](#)

Namespaces

- namespace [library_manager_app](#)

8.9 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/Properties/AssemblyInfo.cs File Reference

8.10 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/Properties/AssemblyInfo.cs File Reference

8.11 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/Properties/AssemblyInfo.cs File Reference

8.12 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/BookTests.cs File Reference

Data Structures

- class [library_manager_dll_test.BookTests](#)

Namespaces

- namespace [library_manager_dll_test](#)

8.13 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/BookFeatures.cs File Reference

Data Structures

- class [Bookfeatures.BookFeature](#)

Namespaces

- namespace [Bookfeatures](#)

8.14 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/ConversionUtility.cs File Reference

Data Structures

- class [LibraryManagement.ConversionUtility](#)

Namespaces

- namespace [LibraryManagement](#)

8.15 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/FileUtility.cs File Reference

Data Structures

- class [FileOperation.FileUtility](#)

Namespaces

- namespace [FileOperation](#)

8.16 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/MainScreen.cs File Reference

Data Structures

- class [Main.MainScreen](#)

Namespaces

- namespace [Main](#)

8.17 C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/README.md File Reference

Index

- [_authors](#)
Bookfeatures.BookFeature, [16](#)
 - [_categories](#)
Bookfeatures.BookFeature, [16](#)
 - [_city](#)
Bookfeatures.BookFeature, [16](#)
 - [_description](#)
Bookfeatures.BookFeature, [16](#)
 - [_doi](#)
Bookfeatures.BookFeature, [16](#)
 - [_edition](#)
Bookfeatures.BookFeature, [16](#)
 - [_editors](#)
Bookfeatures.BookFeature, [16](#)
 - [_id](#)
Bookfeatures.BookFeature, [16](#)
 - [_isbn](#)
Bookfeatures.BookFeature, [16](#)
 - [_pages](#)
Bookfeatures.BookFeature, [17](#)
 - [_price](#)
Bookfeatures.BookFeature, [17](#)
 - [_publisher](#)
Bookfeatures.BookFeature, [17](#)
 - [_rack](#)
Bookfeatures.BookFeature, [17](#)
 - [_row](#)
Bookfeatures.BookFeature, [17](#)
 - [_title](#)
Bookfeatures.BookFeature, [17](#)
 - [_url](#)
Bookfeatures.BookFeature, [17](#)
 - [_year](#)
Bookfeatures.BookFeature, [17](#)
- AddBook
 - [Main.MainScreen](#), [26](#)
- AddBook2
 - [Main.MainScreen](#), [26](#)
- AppendBlock
 - [FileOperation.FileUtility](#), [24](#)
- AppendBlock2
 - [FileOperation.FileUtility](#), [24](#)
- Author
 - [library_manager_app.Program1](#), [29](#)
- Authors
 - [Bookfeatures.BookFeature](#), [19](#)
- AUTHORS_NAME_MAX_LENGTH
 - [Bookfeatures.BookFeature](#), [17](#)

- BOOK_DATA_BLOCK_SIZE
 - [Bookfeatures.BookFeature](#), [17](#)
- Bookfeatures, [11](#)
- Bookfeatures.BookFeature, [13](#)
 - [_authors](#), [16](#)
 - [_categories](#), [16](#)
 - [_city](#), [16](#)
 - [_description](#), [16](#)
 - [_doi](#), [16](#)
 - [_edition](#), [16](#)
 - [_editors](#), [16](#)
 - [_id](#), [16](#)
 - [_isbn](#), [16](#)
 - [_pages](#), [17](#)
 - [_price](#), [17](#)
 - [_publisher](#), [17](#)
 - [_rack](#), [17](#)
 - [_row](#), [17](#)
 - [_title](#), [17](#)
 - [_url](#), [17](#)
 - [_year](#), [17](#)
- Authors, [19](#)
- AUTHORS_NAME_MAX_LENGTH, [17](#)
- BOOK_DATA_BLOCK_SIZE, [17](#)
- BookToByteArrayBlock, [14](#)
- ByteArrayBlockToBook, [15](#)
- Categories, [19](#)
- CATEGORY_NAME_MAX_LENGTH, [18](#)
- City, [19](#)
- CITY_MAX_LENGTH, [18](#)
- Description, [20](#)
- DESCRIPTION_MAX_LENGTH, [18](#)
- DOI, [20](#)
- DOI_MAX_LENGTH, [18](#)
- Edition, [20](#)
- EDITION_MAX_LENGTH, [18](#)
- Editors, [20](#)
- EDITORS_MAX_LENGTH, [18](#)
- Id, [20](#)
- ID_LENGTH, [18](#)
- ISBN, [20](#)
- ISBN_MAX_LENGTH, [18](#)
- Pages, [20](#)
- PAGES_MAX_LENGTH, [18](#)
- Price, [20](#)
- PRICE_MAX_LENGTH, [18](#)
- Publishers, [20](#)
- PUBLISHERS_MAX_LENGTH, [19](#)
- Rack, [21](#)

- RACK_MAX_LENGTH, 19
- Row, 21
- ROW_MAX_LENGTH, 19
- Title, 21
- TITLE_MAX_LENGTH, 19
- URL, 21
- URL_MAX_LENGTH, 19
- YEAR_MAX_LENGTH, 19
- Years, 21
- BookToByteArrayBlock
 - Bookfeatures.BookFeature, 14
- ByteArrayBlockToBook
 - Bookfeatures.BookFeature, 15
- ByteArrayToInteger
 - LibraryManagement.ConversionUtility, 22
- ByteArrayToString
 - LibraryManagement.ConversionUtility, 22
- c
 - library_manager_app.Program1, 29
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/docs/SampleMarkdownFile.md, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/Program.cs, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-app/Properties/AssemblyInfo.cs, 34
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/BookTests.cs, 34
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll-test/Properties/AssemblyInfo.cs, 34
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/BookFeatures.cs, 34
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/ConversionUtility.cs, 34
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/FileUtility.cs, 34
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/MainScreen.cs, 35
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/obj/Release/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs, 33
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/library-manager-dll/Properties/AssemblyInfo.cs, 34
- C:/Users/gokay/do/ce103-hw3-gokay-dervisoglu/README.md, 35
- Categories
 - Bookfeatures.BookFeature, 19
- Category
 - library_manager_app.Program1, 29
- CATEGORY_NAME_MAX_LENGTH
 - Bookfeatures.BookFeature, 18
- City
 - Bookfeatures.BookFeature, 19
 - library_manager_app.Program1, 29
- CITY_MAX_LENGTH
 - Bookfeatures.BookFeature, 18
- ControlFile
 - Main.MainScreen, 27
- DeleteBlock
 - FileOperation.FileUtility, 24
- Describe
 - library_manager_app.Program1, 29
- DESCRIPTION_MAX_LENGTH
 - Bookfeatures.BookFeature, 20
- DOI
 - Bookfeatures.BookFeature, 20
 - library_manager_app.Program1, 29
- DOI_MAX_LENGTH
 - Bookfeatures.BookFeature, 18
- Edition
 - Bookfeatures.BookFeature, 20
 - library_manager_app.Program1, 29
- Edition_Control
 - library_manager_app.Program1, 30
- EDITOR_MAX_LENGTH
 - Bookfeatures.BookFeature, 18
- Editor
 - library_manager_app.Program1, 30
- Editors
 - Bookfeatures.BookFeature, 20
- EDITORS_MAX_LENGTH
 - Bookfeatures.BookFeature, 18
- FileOperation, 11
- FileOperation.FileUtility, 24
 - AppendBlock, 24
 - AppendBlock2, 24
 - DeleteBlock, 24
 - ReadBlock, 25
 - UpdateBlock, 25
- GetInt
 - LibraryManagement.ConversionUtility, 22
- ID
 - library_manager_app.Program1, 30
- Id
 - Bookfeatures.BookFeature, 20

- ID_Control
 - library_manager_app.Program1, [30](#)
- ID_LENGTH
 - Bookfeatures.BookFeature, [18](#)
- IntegerToByteArray
 - LibraryManagement.ConversionUtility, [22](#)
- ISBN
 - Bookfeatures.BookFeature, [20](#)
 - library_manager_app.Program1, [30](#)
- ISBN_MAX_LENGTH
 - Bookfeatures.BookFeature, [18](#)
- IsHex
 - LibraryManagement.ConversionUtility, [23](#)
- library_manager_app, [11](#)
- library_manager_app.Program1, [28](#)
 - Author, [29](#)
 - c, [29](#)
 - Category, [29](#)
 - City, [29](#)
 - Describe, [29](#)
 - DOI, [29](#)
 - Edition, [29](#)
 - Edition_Control, [30](#)
 - Editor, [30](#)
 - ID, [30](#)
 - ID_Control, [30](#)
 - ISBN, [30](#)
 - Main, [28](#)
 - Page, [30](#)
 - Page_Control, [30](#)
 - Price, [30](#)
 - Publisher, [30](#)
 - Rack, [30](#)
 - Row, [31](#)
 - SearchID, [31](#)
 - Title, [31](#)
 - Url, [31](#)
 - Year, [31](#)
 - Year_Control, [31](#)
- library_manager_dll_test, [11](#)
- library_manager_dll_test.BookTests, [21](#)
 - TestMethod1, [21](#)
- LibraryManagement, [11](#)
- LibraryManagement.ConversionUtility, [22](#)
 - ByteArrayToInteger, [22](#)
 - ByteArrayToString, [22](#)
 - GetInt, [22](#)
 - IntegerToByteArray, [22](#)
 - IsHex, [23](#)
 - StringToByteArray, [23](#)
 - ToAscii, [23](#)
 - ToByte, [23](#)
 - ToHex, [23](#)
- Main, [11](#)
 - library_manager_app.Program1, [28](#)
- Main.MainScreen, [25](#)
 - AddBook, [26](#)
 - AddBook2, [26](#)
 - ControlFile, [27](#)
 - PullBook, [27](#)
- Page
 - library_manager_app.Program1, [30](#)
- Page_Control
 - library_manager_app.Program1, [30](#)
- Pages
 - Bookfeatures.BookFeature, [20](#)
- PAGES_MAX_LENGTH
 - Bookfeatures.BookFeature, [18](#)
- Price
 - Bookfeatures.BookFeature, [20](#)
 - library_manager_app.Program1, [30](#)
- PRICE_MAX_LENGTH
 - Bookfeatures.BookFeature, [18](#)
- Publisher
 - library_manager_app.Program1, [30](#)
- Publishers
 - Bookfeatures.BookFeature, [20](#)
- PUBLISHERS_MAX_LENGTH
 - Bookfeatures.BookFeature, [19](#)
- PullBook
 - Main.MainScreen, [27](#)
- Rack
 - Bookfeatures.BookFeature, [21](#)
 - library_manager_app.Program1, [30](#)
- RACK_MAX_LENGTH
 - Bookfeatures.BookFeature, [19](#)
- ReadBlock
 - FileOperation.FileUtility, [25](#)
- Row
 - Bookfeatures.BookFeature, [21](#)
 - library_manager_app.Program1, [31](#)
- ROW_MAX_LENGTH
 - Bookfeatures.BookFeature, [19](#)
- SearchID
 - library_manager_app.Program1, [31](#)
- StringToByteArray
 - LibraryManagement.ConversionUtility, [23](#)
- TestMethod1
 - library_manager_dll_test.BookTests, [21](#)
- Title
 - Bookfeatures.BookFeature, [21](#)
 - library_manager_app.Program1, [31](#)
- TITLE_MAX_LENGTH
 - Bookfeatures.BookFeature, [19](#)
- ToAscii
 - LibraryManagement.ConversionUtility, [23](#)
- ToByte
 - LibraryManagement.ConversionUtility, [23](#)
- ToHex
 - LibraryManagement.ConversionUtility, [23](#)
- UpdateBlock

- FileOperation.FileUtility, [25](#)
- URL
 - Bookfeatures.BookFeature, [21](#)
- Url
 - library_manager_app.Program1, [31](#)
- URL_MAX_LENGTH
 - Bookfeatures.BookFeature, [19](#)
- Year
 - library_manager_app.Program1, [31](#)
- Year_Control
 - library_manager_app.Program1, [31](#)
- YEAR_MAX_LENGTH
 - Bookfeatures.BookFeature, [19](#)
- Years
 - Bookfeatures.BookFeature, [21](#)